

Appln. No. 10/771,883
Amendment dated June 19, 2007
Reply to Office Action mailed December 19, 2006

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the Application.

Listing of Claims

1. (Canceled)
2. (Canceled)
3. (Currently Amended) The platinum alloy according to claim [[1]] 9, wherein said alloy contains 57.5 to 59.9 wt.% of platinum.
4. (Currently Amended) The platinum alloy according to claim [[1]] 9, wherein said alloy contains 58.5 to 59.0 wt.% of platinum.
5. (Canceled)
6. (Canceled)
7. (Currently Amended) The platinum alloy according to claim [[1]] 9, wherein said alloy contains 2.0 to 8.0 wt.% of cobalt.
8. (Currently Amended) The platinum alloy according to claim [[1]] 9, wherein said alloy contains 3.5 to 5.5 wt.% of cobalt.

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9. (Currently Amended) ~~The platinum alloy according to claim 1,~~ A platinum alloy consisting essentially of:

55 to 63 wt.% of platinum,

2 to 10 wt.% of cobalt,

27 to 43 wt.% of copper, and

optionally, one or more property enhancing additives, provided the total amount of property enhancing additives is less than 5 wt.%, wherein said alloy contains a total of 0.001 to 2 wt.% of one or more property enhancing additives selected from the group consisting of palladium, iridium and ruthenium.

10. (Currently Amended) The platinum alloy according to claim ~~[[1]]~~ 9, wherein said alloy contains a total of 0.001 to 2 wt.% of one or more property enhancing additives selected from the group consisting of indium and gallium.

11. (Currently Amended) The platinum alloy according to claim ~~[[1]]~~ 9, wherein the platinum alloy contains:

57.5 to 59.9 wt.% of platinum,

3.5 to 4.5 wt.% of cobalt, and

35.6 to 39 wt.% of copper,

wherein 0.001 to 2 wt.% of copper may be substituted by one or more property enhancing additives selected from the group consisting of palladium, iridium and ruthenium, and wherein 0.001 to 2 wt.% of copper may be substituted by one or more property enhancing additives selected from the group consisting of indium and gallium.

12. (Currently Amended) The platinum alloy according to claim ~~[[1]]~~ 9, wherein a tensile strength of said alloy is between about 450 to 800 N/mm².

13. (Canceled)

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14. (Currently Amended) The platinum alloy according to claim ~~[[1]]~~ 9, wherein an elongation at break of said alloy is at least 20 %.

15. (Currently Amended) The platinum alloy according to claim ~~[[1]]~~ 9, wherein a color tone of said alloy corresponds essentially to a platinum white color tone of a PtCu950 alloy.

16-18. (Canceled)

19. (Currently Amended) ~~The ornamental article according to claim 18, An~~
ornamental article comprising a platinum alloy, said platinum alloy consisting essentially
of:

55 to 63 wt.% of platinum,

2 to 10 wt.% of cobalt,

27 to 43 wt.% of copper, and

optionally, one or more property enhancing additives, provided the total amount of
property enhancing additives is less than 5 wt.%, wherein said ornamental article is
selected from the group consisting of a ring, a necklace, an earring, a watch band, and
a watch body.

20-49. (Canceled)

50. (Currently Amended) The platinum alloy according to claim ~~[[1]]~~ 9, wherein a Vickers hardness of said alloy, measured at soft state, is between about 130 to 210 HV10.

51. (Currently Amended) The method according to claim ~~[[16]]~~ 55, wherein said alloy contains 57.5 to 59.9 wt.% of platinum.

52. (Currently Amended) The method according to claim ~~[[16]]~~ 55, wherein said alloy contains 58.5 to 59.0 wt.% of platinum.

53. (Currently Amended) The method according to claim ~~[[16]]~~ 55, wherein said alloy contains 2.0 to 8.0 wt.% of cobalt.

54. (Currently Amended) The method according to claim ~~[[16]]~~ 55, wherein said alloy contains 3.5 to 5.5 wt.% of cobalt.

55. (Currently Amended) ~~The method according to claim 16,~~ A method of preparing a platinum alloy, comprising the steps of:
providing alloy components, said alloy components consisting essentially of: 55 to 63 wt.% of platinum, 2 to 10 wt.% of cobalt, 27 to 43 wt.% of copper, and optionally one or more property enhancing additives, provided the total amount of property enhancing additives is less than 5 wt.%;
blending the alloy components together; and
melting the alloy components to form said alloy, wherein said alloy contains a total of 0.001 to 2 wt.% of one or more property enhancing additives selected from the group consisting of palladium, iridium and ruthenium.

56. (Currently Amended) The method according to claim ~~[[16]]~~ 55, wherein said alloy contains a total of 0.001 to 2 wt.% of one or more property enhancing additives selected from the group consisting of indium and gallium.

57. (Currently Amended) The method according to claim ~~[[16]]~~ 55, wherein the platinum alloy contains:

57.5 to 59.9 wt.% of platinum,

3.5 to 4.5 wt.% of cobalt, and
35.6 to 39 wt.% of copper,
wherein 0.001 to 2 wt.% of copper may be substituted by one or more property enhancing additives selected from the group consisting of palladium, iridium and ruthenium, and wherein 0.001 to 2 wt.% of copper may be substituted by one or more property enhancing additives selected from the group consisting of indium and gallium.

58. (Currently Amended) The method according to claim ~~[[16]]~~ 55, wherein a tensile strength of said alloy is between about 450 to 800 N/mm².

59. (Currently Amended) The method according to claim ~~[[16]]~~ 55, wherein an elongation at break of said alloy is at least 20 %.

60. (Currently Amended) The method according to claim ~~[[16]]~~ 55, wherein a color tone of said alloy corresponds essentially to a platinum white color tone of a PtCu950 alloy.

61. (Currently Amended) The method according to claim ~~[[16]]~~ 55, wherein a Vickers hardness of said alloy, measured at soft state, is between about 130 to 210 HV10.

62. (Currently Amended) The ornamental article according to claim ~~[[18]]~~ 19, wherein said alloy contains 57.5 to 59.9 wt.% of platinum.

63. (Currently Amended) The ornamental article according to claim ~~[[18]]~~ 19, wherein said alloy contains 58.5 to 59.0 wt.% of platinum.

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64. (Currently Amended) The ornamental article according to claim ~~[[18]]~~ 19, wherein said alloy contains 2.0 to 8.0 wt.% of cobalt.

65. (Currently Amended) The ornamental article according to claim ~~[[18]]~~ 19, wherein said alloy contains 3.5 to 5.5 wt.% of cobalt.

66. (Currently Amended) ~~The ornamental article according to claim 18,~~ An ornamental article comprising a platinum alloy, said platinum alloy consisting essentially of:

55 to 63 wt.% of platinum,

2 to 10 wt.% of cobalt,

27 to 43 wt.% of copper, and

optionally, one or more property enhancing additives, provided the total amount of property enhancing additives is less than 5 wt.%, wherein said alloy contains a total of 0.001 to 2 wt.% of one or more property enhancing additives selected from the group consisting of palladium, iridium and ruthenium.

67. (Currently Amended) The ornamental article according to claim ~~[[18]]~~ 19, wherein said alloy contains a total of 0.001 to 2 wt.% of one or more property enhancing additives selected from the group consisting of indium and gallium.

68. (Currently Amended) The ornamental article according to claim ~~[[18]]~~ 19, wherein the platinum alloy contains:

57.5 to 59.9 wt.% of platinum,

3.5 to 4.5 wt.% of cobalt, and

35.6 to 39 wt.% of copper,

wherein 0.001 to 2 wt.% of copper may be substituted by one or more property enhancing additives selected from the group consisting of palladium, iridium and

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ruthenium, and wherein 0.001 to 2 wt.% of copper may be substituted by one or more property enhancing additives selected from the group consisting of indium and gallium.

69. (Currently Amended) The ornamental article according to claim ~~[[18]]~~ 19, wherein a tensile strength of said alloy is between about 450 to 800 N/mm².

70. (Currently Amended) The ornamental article according to claim ~~[[18]]~~ 19, wherein an elongation at break of said alloy is at least 20 %.

71. (Currently Amended) The ornamental article according to claim ~~[[18]]~~ 19, wherein a color tone of said alloy corresponds essentially to a platinum white color tone of a PtCu950 alloy.

72. (Currently Amended) The ornamental article according to claim ~~[[18]]~~ 19, wherein a Vickers hardness of said alloy, measured at soft state, is between about 130 to 210 HV10.